

Abstract of the Disclosure

A token managing portion manages an access request for a shared file. An IO request intercepting portion asks the token managing portion to acquire access permission for the shared file in response to an access request for the shared file in the node itself. The token managing portion notifies the IO request intercepting portion of a node that has update permission in response to the access request of the IO request intercepting portion. The IO request intercepting portion asks the node that has the update permission to access the shared file when the IO request intercepting portion is not capable of acquiring the access permission. Thus, with a file consistent assurance control, a file replication system as an improved application of a file replication can be accomplished.